



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010506
CERTIFICATION DATE: January 31, 2014
DATE RECERTIFICATION DUE: July 30, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

Michelle Billeter

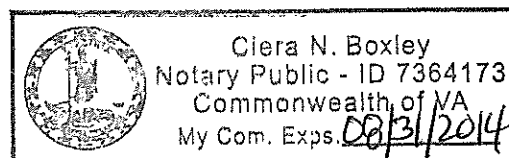
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 01st day of
February, 2014 by Michelle M. Billeter

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



MDK

**Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 2/3/2014**

Instrument Serial Number: 010506

As of 03-Feb-14

Start Date	End Date	Agency Name
31-Jan-14		Powhatan County Sheriff's Office
07-Sep-11	31-Jan-14	DFS Central Lab
04-Aug-11	07-Sep-11	Richmond PD
06-Jan-09	04-Aug-11	DFS Central Lab
20-Nov-08	06-Jan-09	Waynesboro PD
19-May-08	20-Nov-08	DFS Central Lab

mmB

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/3/2014**

Instrument Serial Number: 010506

As of 03-Feb-14

Maintenance Date	Certification Date	Technician Initials	Remarks
31-Jan-14	31-Jan-14	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
22-Jan-14	22-Jan-14	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE. CALIBRATED AND CERTIFIED.
04-Aug-11	04-Aug-11	HMS (18910)	CERTIFIED
11-Mar-11	11-Mar-11	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED
10-Nov-09	10-Nov-09	NMJ (22392)	REPLACED TANK TOP LID, ADJUSTED AND TESTED SET SOLENOID, CERTIFIED.
20-Nov-08	20-Nov-08	DBH (21250)	CERTIFIED.
17-Nov-08	17-Nov-08	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmB

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number **010506** Worksheet Start Date **1/31/2014**

Location **Powhatan County SO**

Address **3880 Old Buckingham Rd Powhatan VA 23139**

DFS Technician **Michelle Billeter** License No. **26417**

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **757** Reference Barometer (mm HG) **756**

Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.299
0.300	0.298	0.289	0.306	Sample 2	0.299
Precision		sample min	sample max	Sample 3	0.298
0.001		0.298	0.299		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

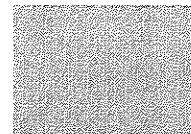
Dry gas standard Lot No. (with tank no.) **AG227501-25**

☐ Replaced dry gas standard (+O-ring)

☒ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Firmware/Software Upgrade.

Instrument Serial Number

010506

Certification Date

1/31/2014

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.246
0.250	0.248	0.240	0.255	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0		0.246	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Michelle Bullock

Date

2/3/14

Issuing Analyst

Michelle Bullock

Date

2/3/14mbk

mmb




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFE
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/31/2014
TEST EQUIPMENT NUMBER 010506		

RESULTS: TIME SAMPLE TAKEN 11:44 EST
 SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 31 Jan 2014 at 12:06

AMS
MMB

Test Results

Instrument Serial Number 010506

Test # 000170 Subject Test

Test Location 1 Department of
Test Date 31 Jan 2014

Test Location 2 Forensic Science
Test Time 11:38
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial M
License Number 26417

Card Serial Number 126417

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 31 Jan 2014 End Time 11:45

Result Time 11:44

Result Date 31 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:39

Data Type BLK

Sample Value 0.000

Sample Time 11:39

Data Type CHK

Sample Value 0.102

Sample Time 11:40

Data Type BLK

Sample Value 0.000

Sample Time 11:41

Data Type SUBJ

Sample Value 0.000

Sample Time 11:42

Data Type BLK

Sample Value 0.000

Sample Time 11:43

Data Type SUBJ

Sample Value 0.000

Sample Time 11:44

Data Type BLK

Sample Value 0.000

Sample Time 11:45

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG227501-25

Standard Expiration Date 10/01/2014

Tank Pressure 801

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 4.09 sec

Blow Volume 1623 cc End-of-Blow Time 11:42

Blow Sample Number 2 Blow Duration 4.29 sec

Blow Volume 1711 cc End-of-Blow Time 11:44

Tamper Evident Stamp ec7fafd7

Test Status Code 0

Test Status Success

mmb

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010506 Test Number: 171

Test Date: 01/31/2014 Test Time: 11:47 EST

Dry Gas Target: 0.100

Lot Number: AG227501-25 Exp Date: 10/01/2014

Tank Pressure: 801 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:48
CHK	0.101	11:49
BLK	0.000	11:50
CHK	0.101	11:51
BLK	0.000	11:52
CHK	0.101	11:53

Test Status: *Success*

Calibration CRC: B33522DA

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010506 Test Number: 172

Test Date: 01/31/2014 Test Time: 11:56 EST

Dry Gas Target: 0.298

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 125 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:57
CHK	0.302	11:57
BLK	0.000	11:59
CHK	0.301	11:59
BLK	0.000	12:01
CHK	0.301	12:01

Test Status: *Success*

Calibration CRC: B33522DA

Intox EC/IR-II: Software Version*Department of Forensic Science*

Serial Number: 010506

System Date: 01/31/2014

System Time: 12:21 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration*Department of Forensic Science*

Serial Number: 010506 Test Number: 173

Test Date: 01/31/2014 Test Time: 12:23 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 517 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:24
CAL	0.099	12:25

Test Status: *Success*

Calibration CRC: 66F24CE4

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010506 Test Number: 174
Test Date: 01/31/2014 Test Time: 12:27 EST

Technician Initials: MMB

Dry Gas Target: 0.248

Lot Number: 07713250I4-02 Exp Date: 05/01/2015
Tank Pressure: 825 psi Barometric Pressure: 755 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:28
BLK	0.000	12:29
CHK	0.246	12:29
BLK	0.000	12:31
CHK	0.246	12:31
BLK	0.000	12:33
CHK	0.246	12:33
BLK	0.000	12:34

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010506 Test Number: 175
Test Date: 01/31/2014 Test Time: 12:36 EST

Technician Initials: *MMB*Dry Gas Target: *0.149*

Lot Number: 29512150I2-02 Exp Date: 11/01/2014
Tank Pressure: 198 psi Barometric Pressure: 755 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:36
BLK	0.000	12:37
CHK	0.148	12:38
BLK	0.000	12:39
CHK	0.148	12:40
BLK	0.000	12:41
CHK	0.148	12:42
BLK	0.000	12:43

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010506 Test Number: 176
Test Date: 01/31/2014 Test Time: 12:45 EST

Technician Initials: *MMB*Dry Gas Target: *0.080*

Lot Number: 0771308012-04 Exp Date: 05/01/2015
Tank Pressure: 321 psi Barometric Pressure: 755 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:45
BLK	0.000	12:46
CHK	0.079	12:47
BLK	0.000	12:48
CHK	0.079	12:48
BLK	0.000	12:50
CHK	0.079	12:50
BLK	0.000	12:52

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010506 Test Number: 177
Test Date: 01/31/2014 Test Time: 12:53 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015
Tank Pressure: 345 psi Barometric Pressure: 754 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:54
BLK	0.000	12:54
CHK	0.019	12:55
BLK	0.000	12:56
CHK	0.019	12:57
BLK	0.000	12:58
CHK	0.019	12:59
BLK	0.000	13:00

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010506 Test Number: 178

Test Date: 01/31/2014 Test Time: 13:03 EST

Dry Gas Target: 0.298

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 120 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:03
CHK	0.299	13:04
BLK	0.000	13:06
CHK	0.299	13:07
BLK	0.000	13:08
CHK	0.298	13:09

Test Status: *Success*

Calibration CRC: 66F24CE4

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010506 Test Number: 179

Test Date: 01/31/2014 Test Time: 13:12 EST

Dry Gas Target: 0.099

Lot Number: AG227501-25 Exp Date: 10/01/2014

Tank Pressure: 791 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:13
CHK	0.099	13:14
BLK	0.000	13:16
CHK	0.099	13:16
BLK	0.000	13:18
CHK	0.099	13:18

Test Status: *Success*

Calibration CRC: 66F24CE4

mmB




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/31/2014
TEST EQUIPMENT NUMBER 010506		

RESULTS: TIME SAMPLE TAKEN 13:25 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT

mm5



IntoxNet MIS Report

Report Generated 03 Feb 2014 at 13:30

Test Results

Instrument Serial Number 010506

Test # 000180 Subject Test

Test Location 1 Department of
Test Date 31 Jan 2014

Test Location 2 Forensic Science
Test Time 13:19
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab
Card Serial Number 126417
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name MICHELLE
License Number 26417
Operator's Middle Initial M

Effective Date 10/01/2012 Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000 Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 31 Jan 2014 End Time 13:27

Result Time 13:25

Result Date 31 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:20

Data Type BLK

Sample Value 0.000

Sample Time 13:20

Data Type CHK

Sample Value 0.099

Sample Time 13:21

Data Type BLK

Sample Value 0.000

Sample Time 13:22

Data Type SUBJ

Sample Value 0.000

Sample Time 13:23

Data Type BLK

Sample Value 0.000

Sample Time 13:24

Data Type SUBJ

Sample Value 0.000

Sample Time 13:25

Data Type BLK

Sample Value 0.000

Sample Time 13:26

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG227501-25

Standard Expiration Date 10/01/2014

Tank Pressure 781

Barometric Pressure 755 mmHg

Blow Sample Number 1 Blow Duration 3.97 sec

Blow Volume 1652 cc End-of-Blow Time 13:23

Blow Sample Number 2 Blow Duration 4.44 sec

Blow Volume 1748 cc End-of-Blow Time 13:25

Tamper Evident Stamp c9fc6567

Test Status Code 0

Test Status Success